

100

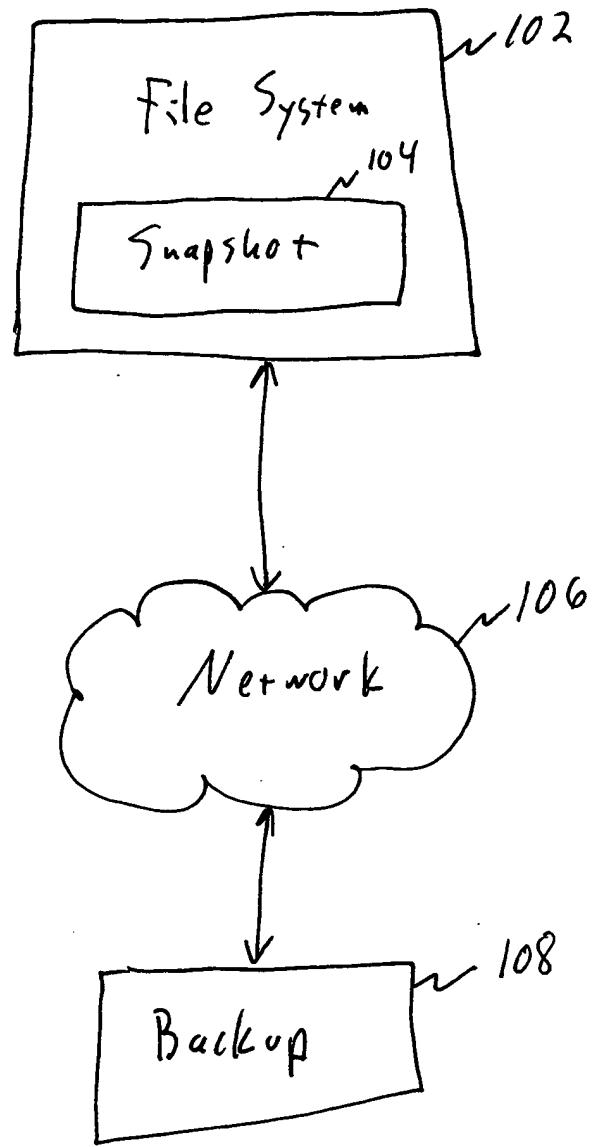


FIG. 1

200

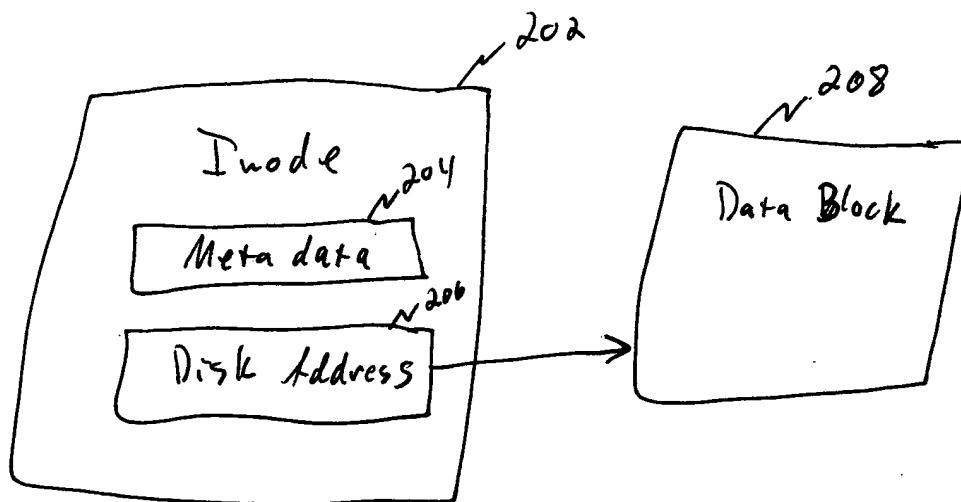


FIG. 24

250

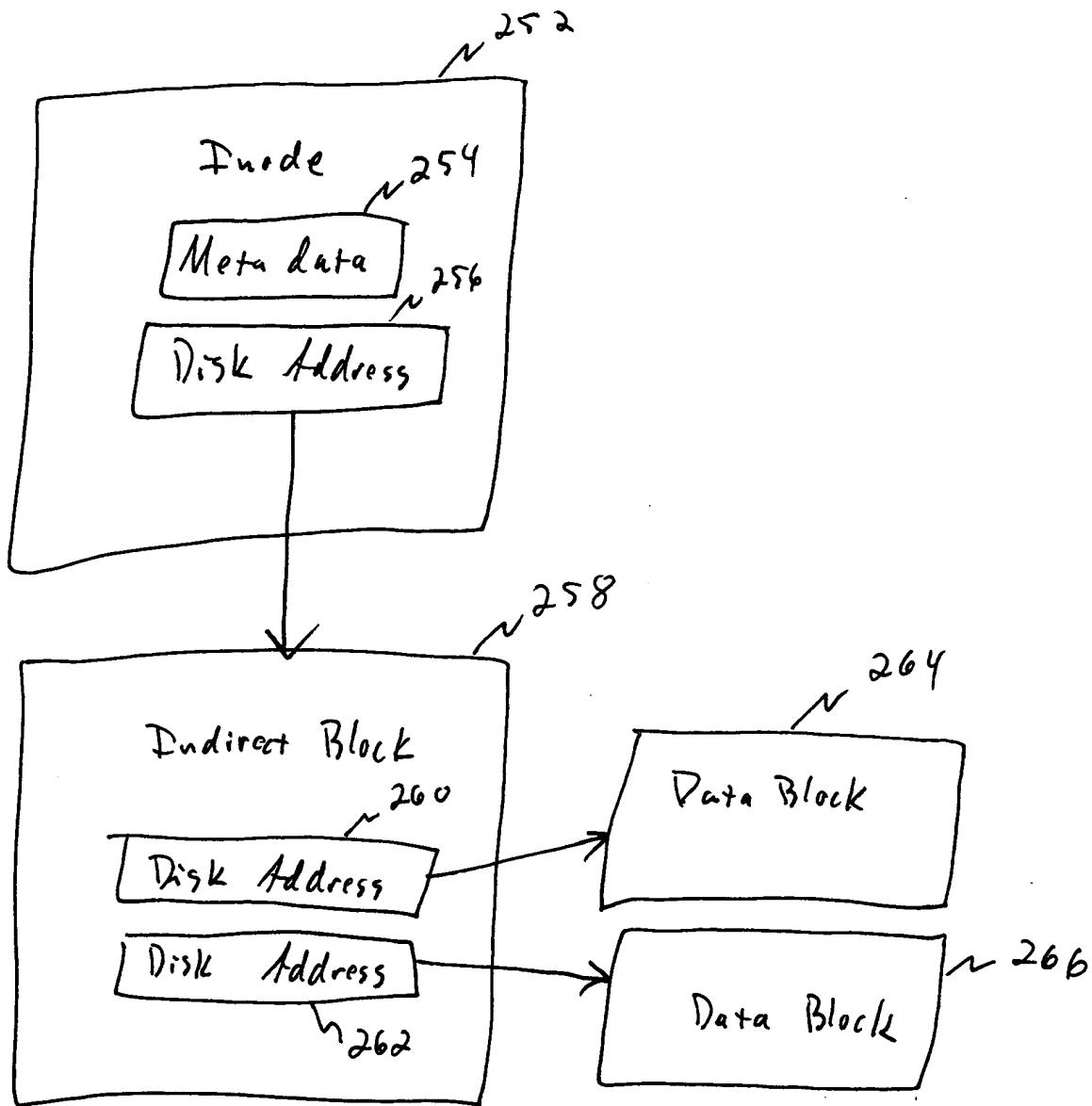


Fig. 2B

300

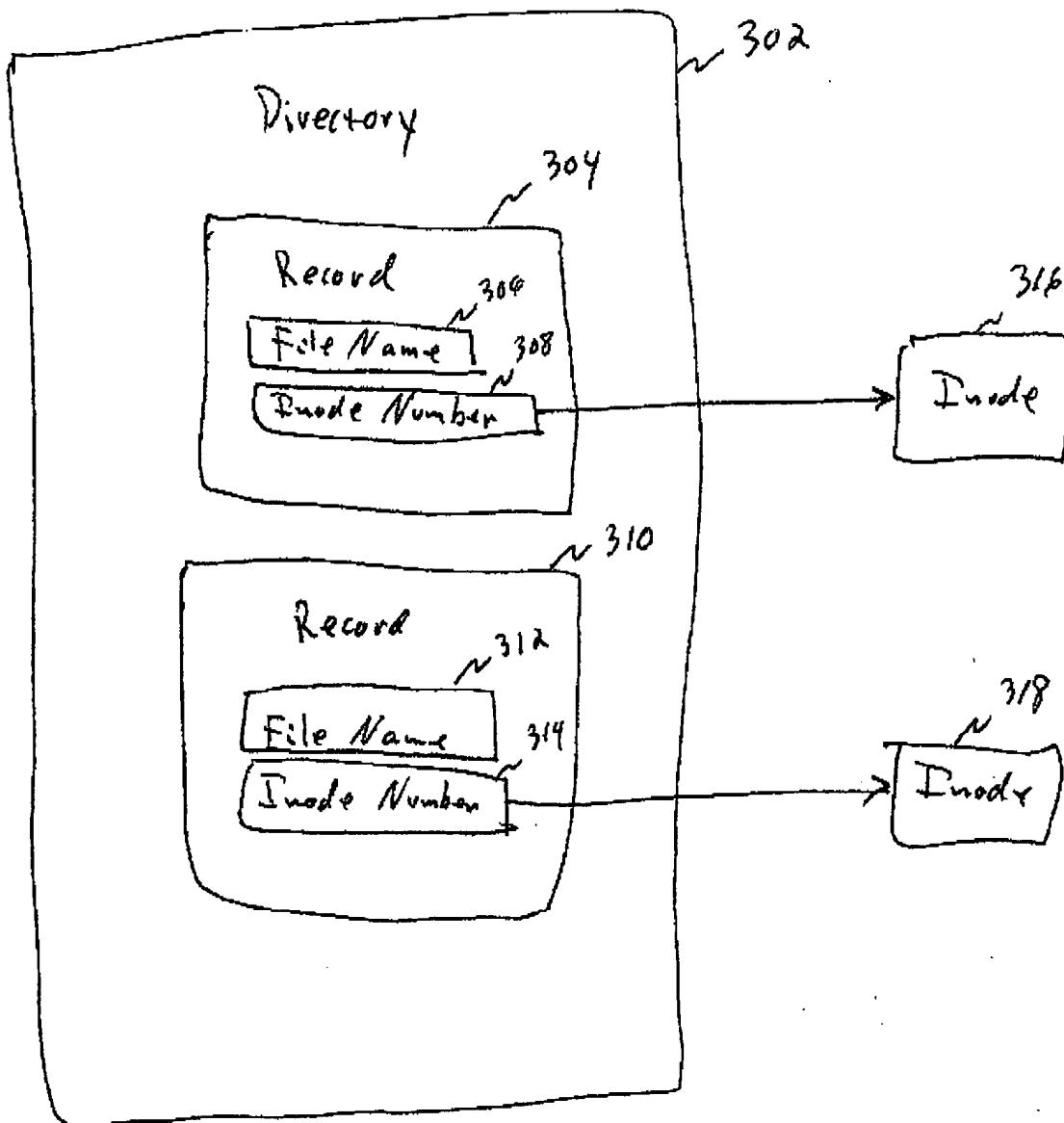


FIG. 3

400

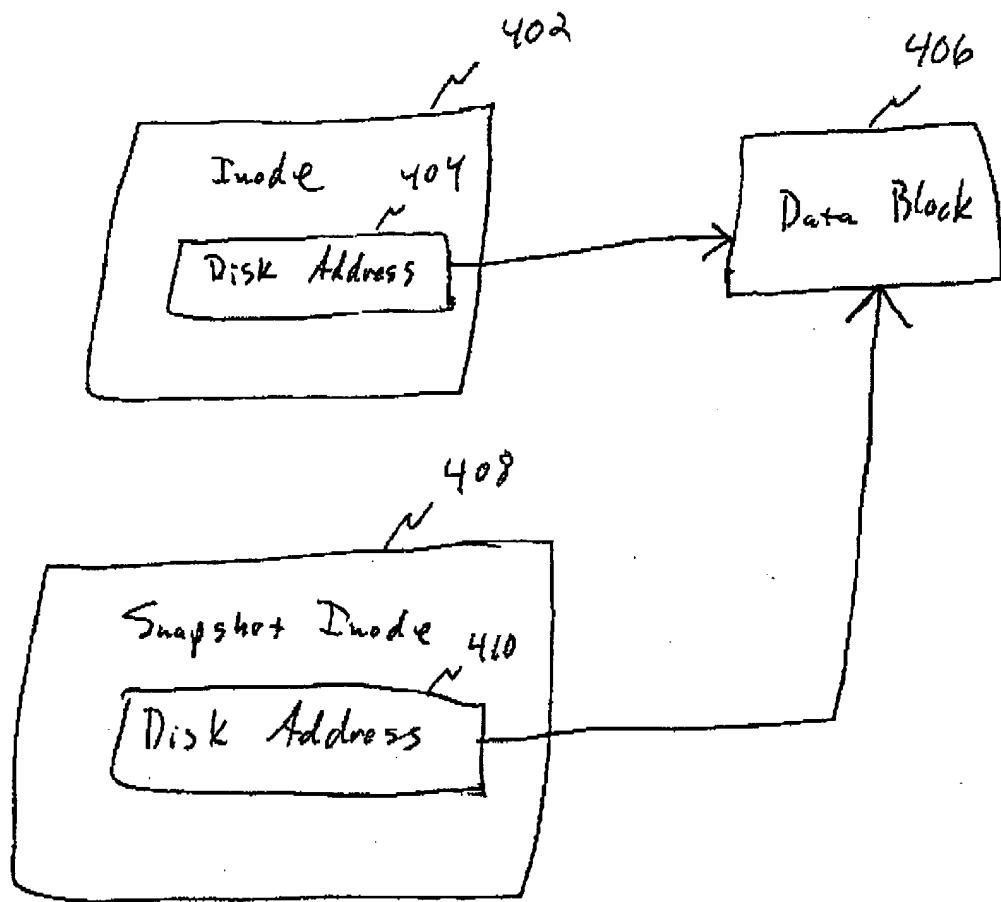


FIG. 4

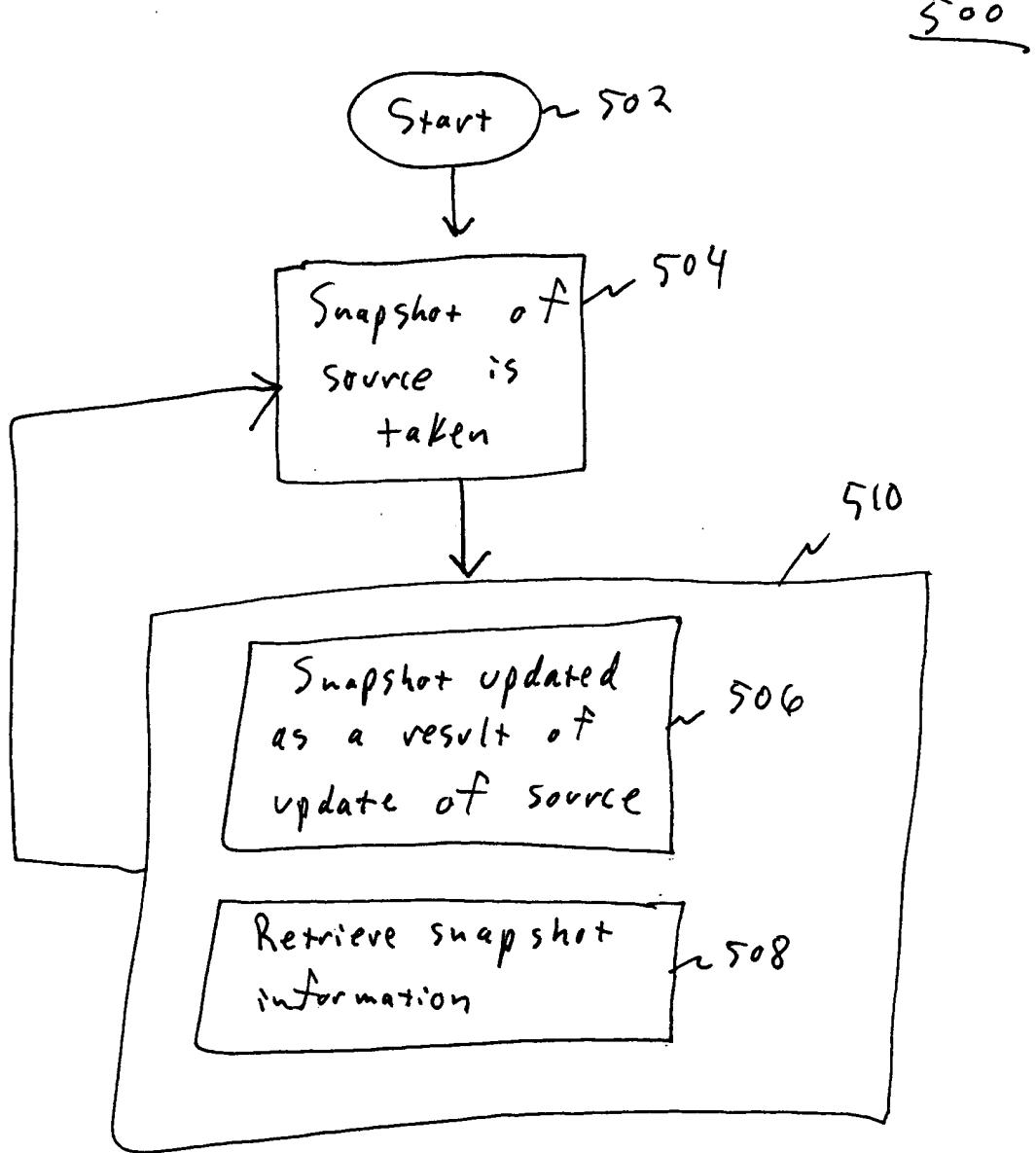


FIG. 5

600

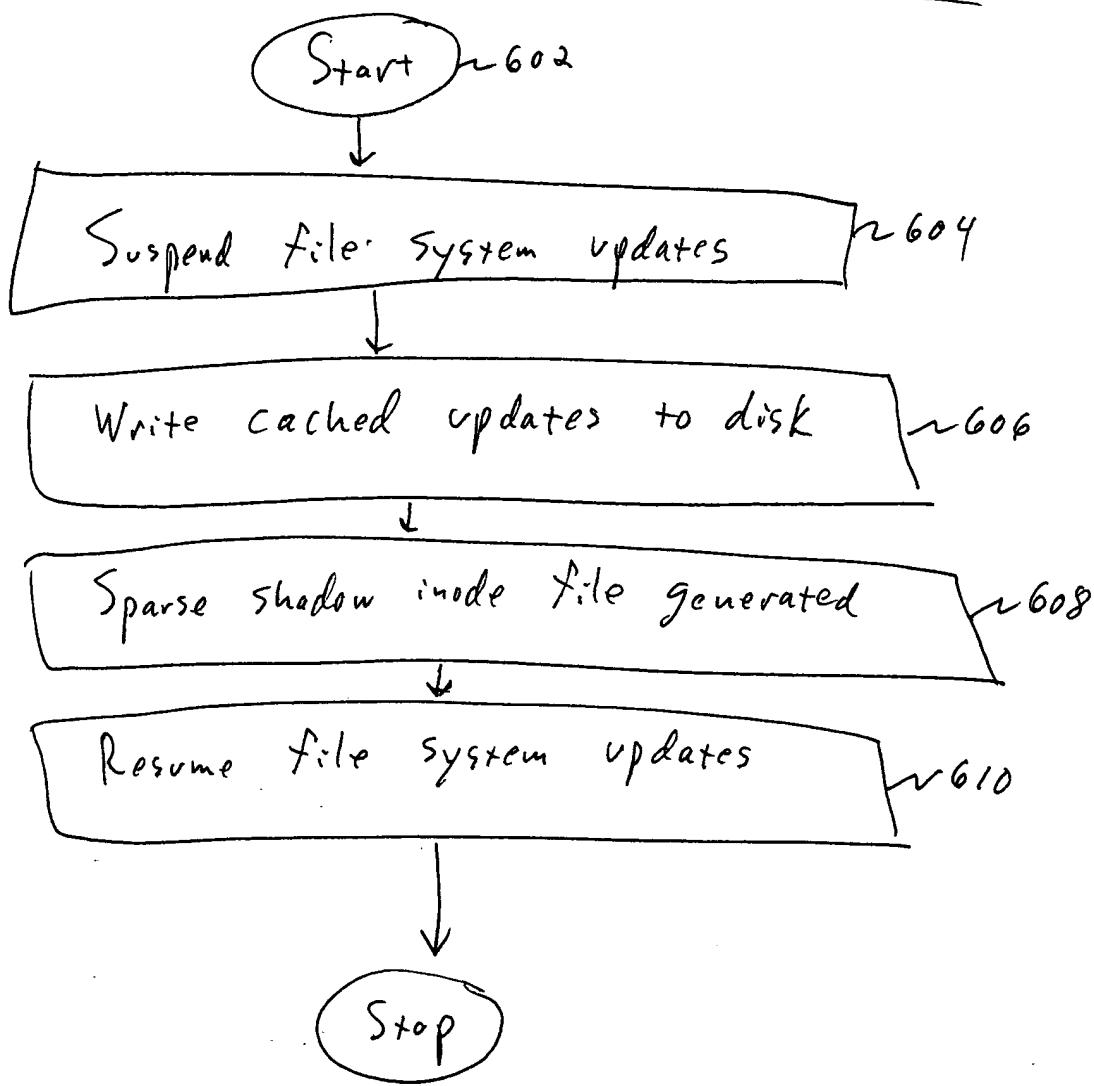


FIG. 6A

620

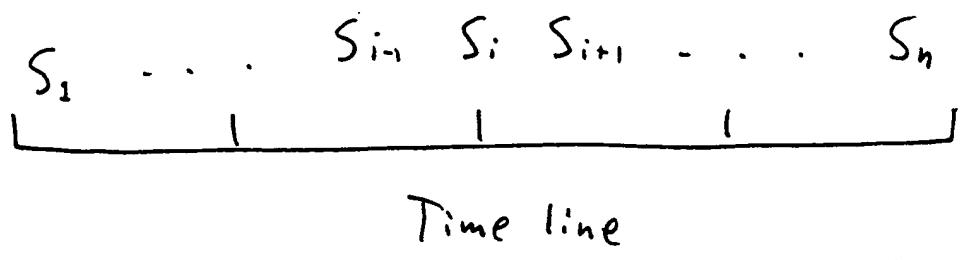


FIG. 6B

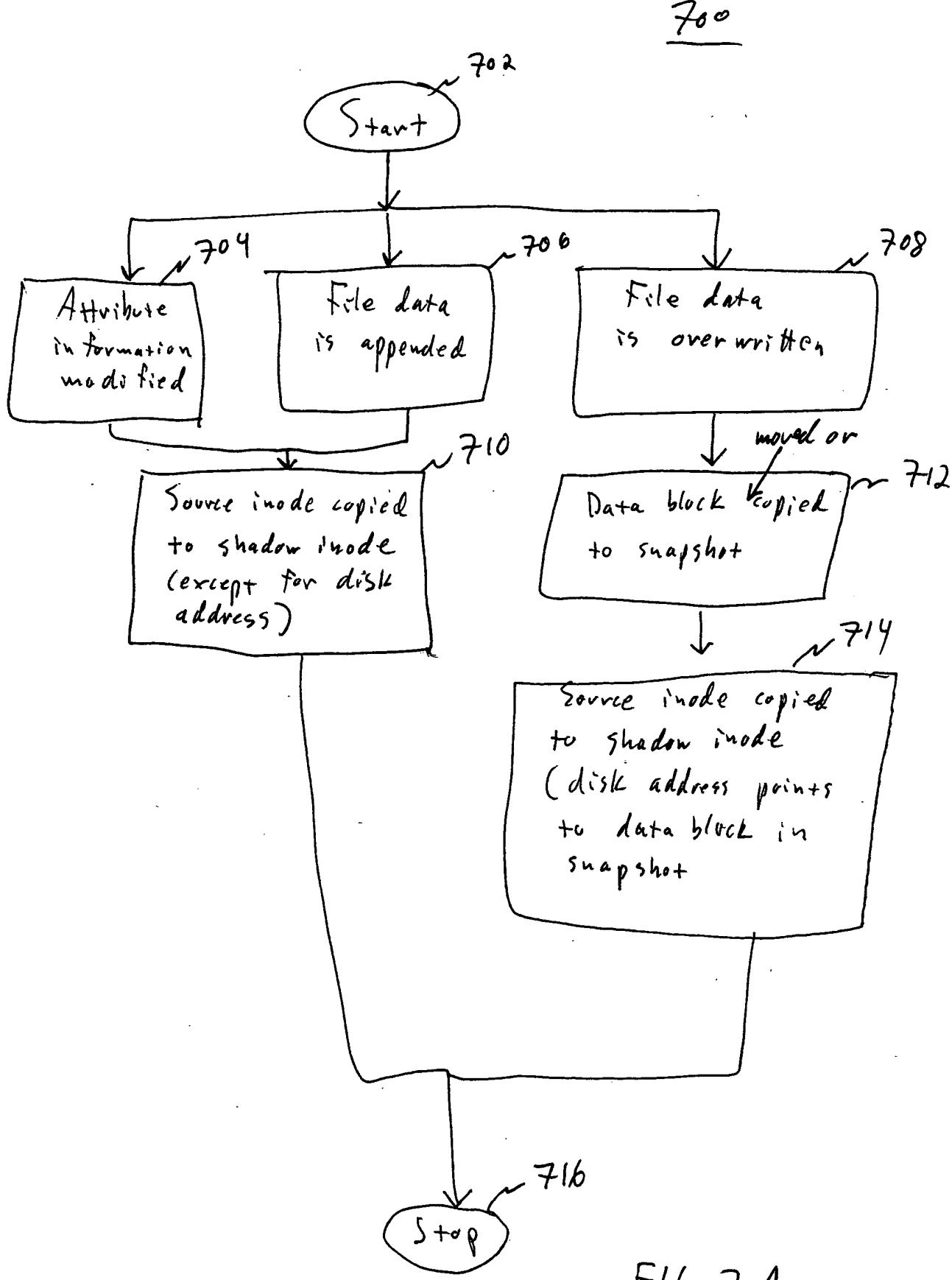
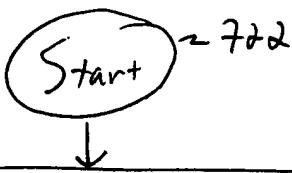


FIG. 7A

720



~722

~724

Resolve implied references in current snapshot
for data being modified in current snapshot

~726

Copy data associated with implied references into
current snapshot

~728

Resolve implied references in next oldest+
snapshot for data being modified

~730

Copy data associated with implied references into
next oldest+ snapshot

~732

Modify data in current snapshot

~734

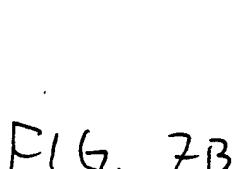


FIG. 7B

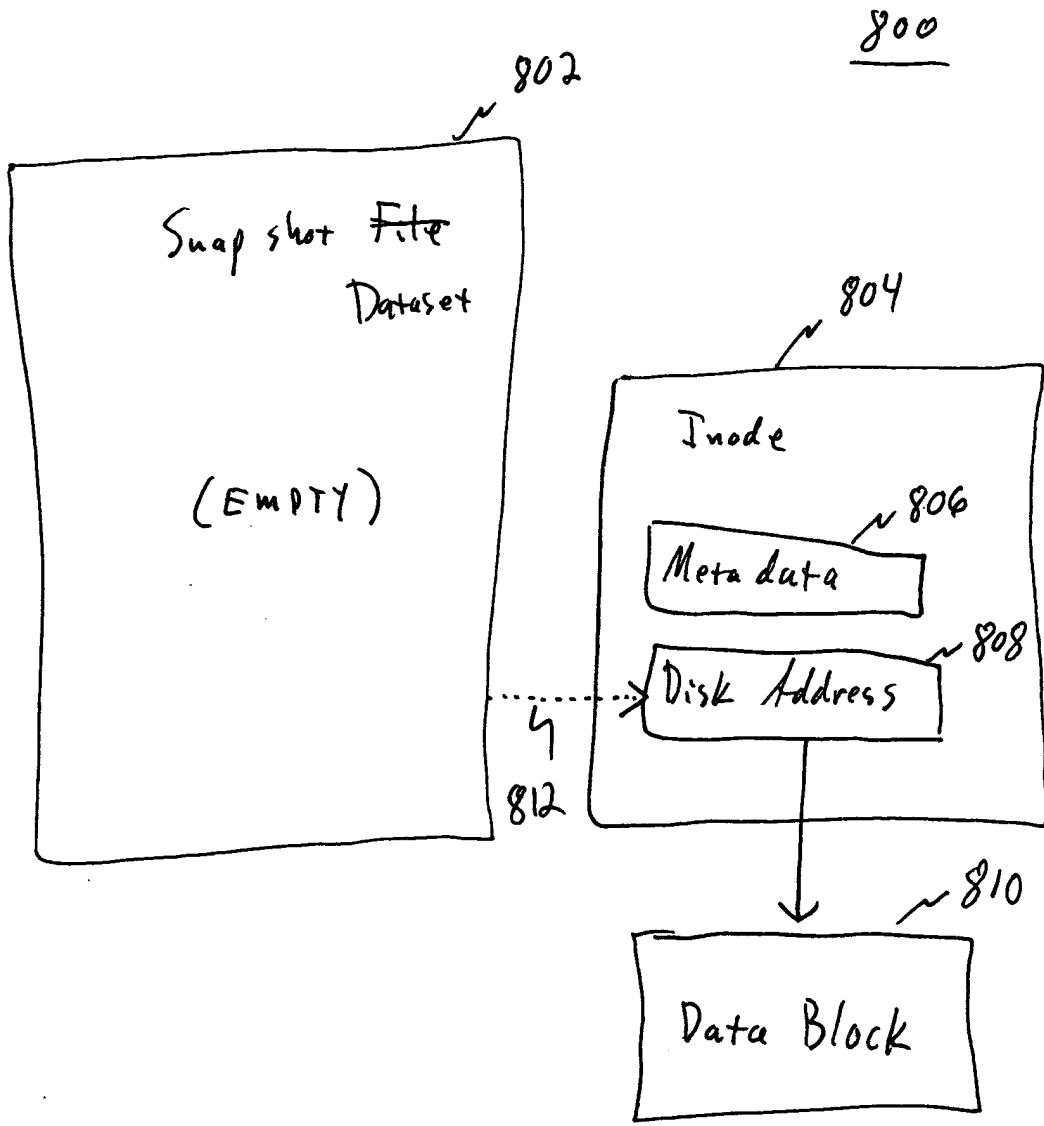


FIG. 8A

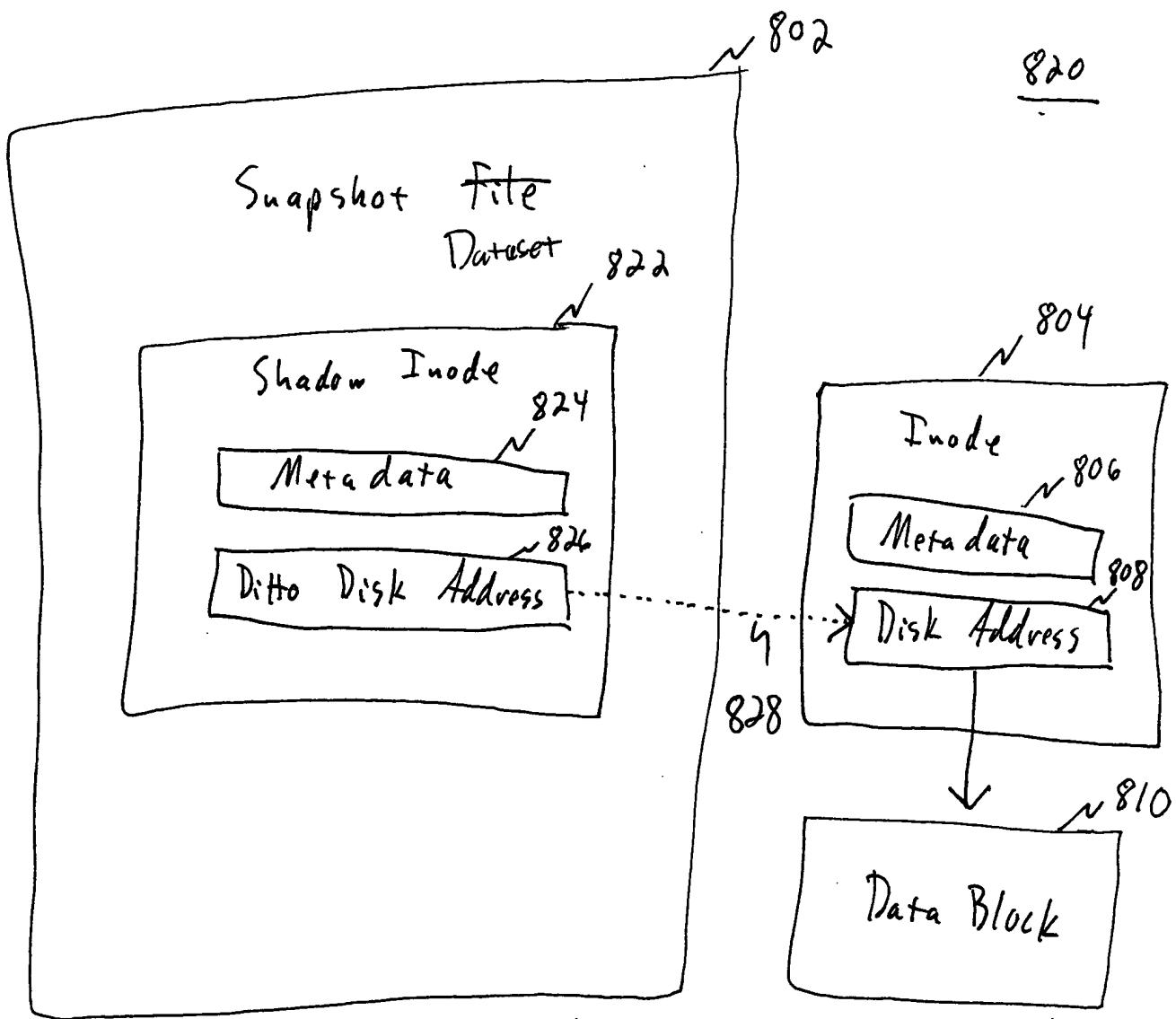


FIG. 8B

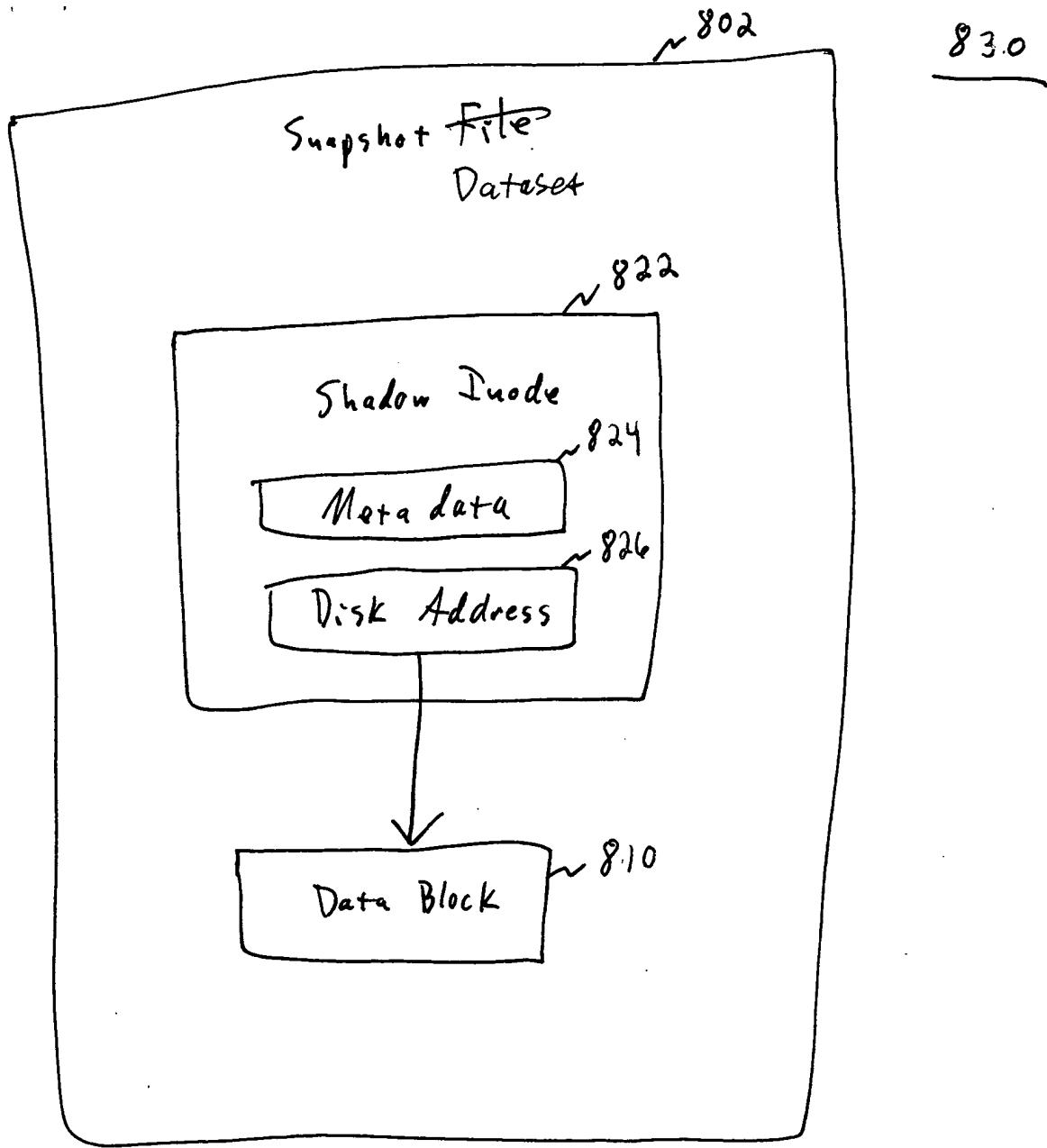


FIG. 8C

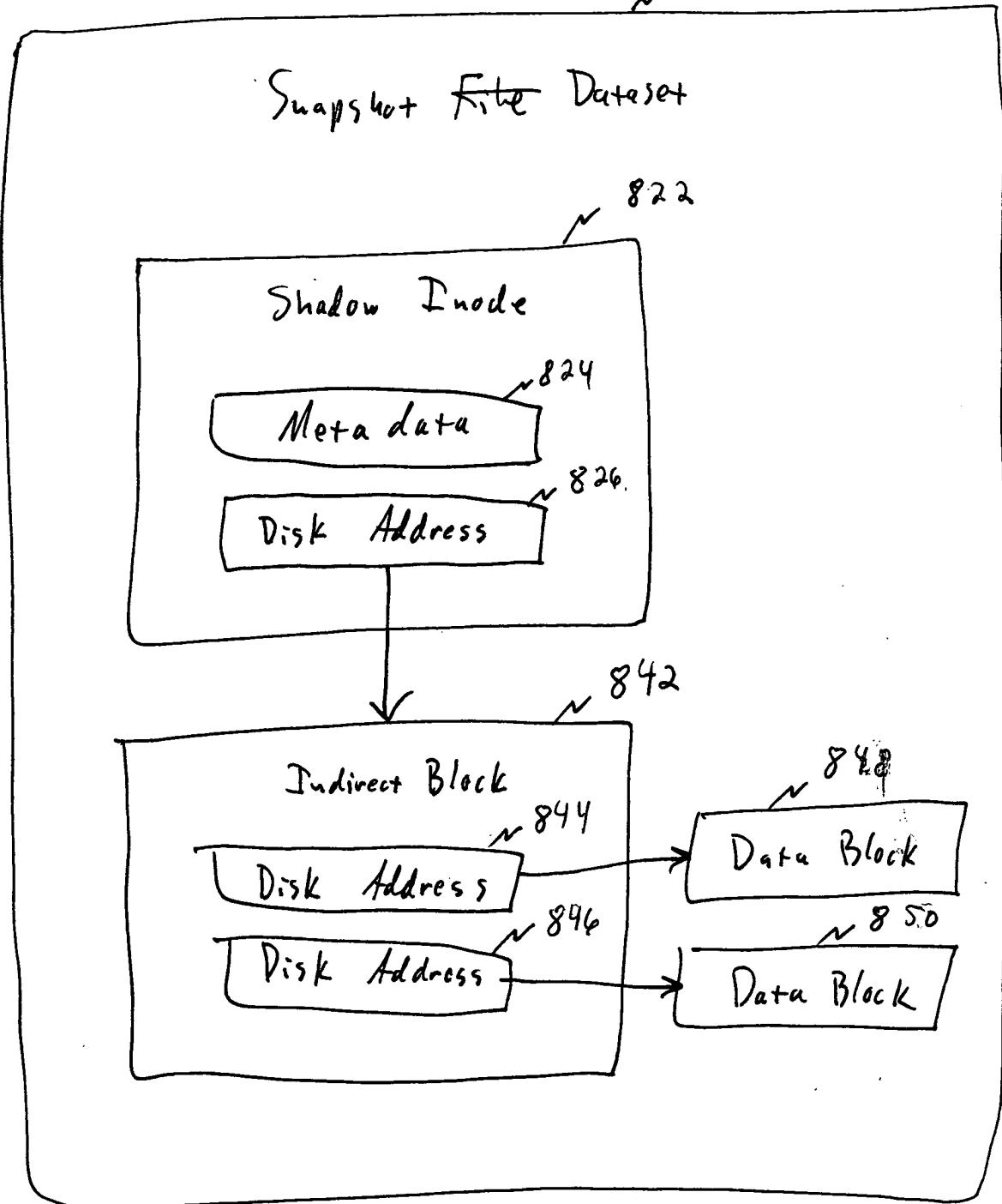


FIG. 8D

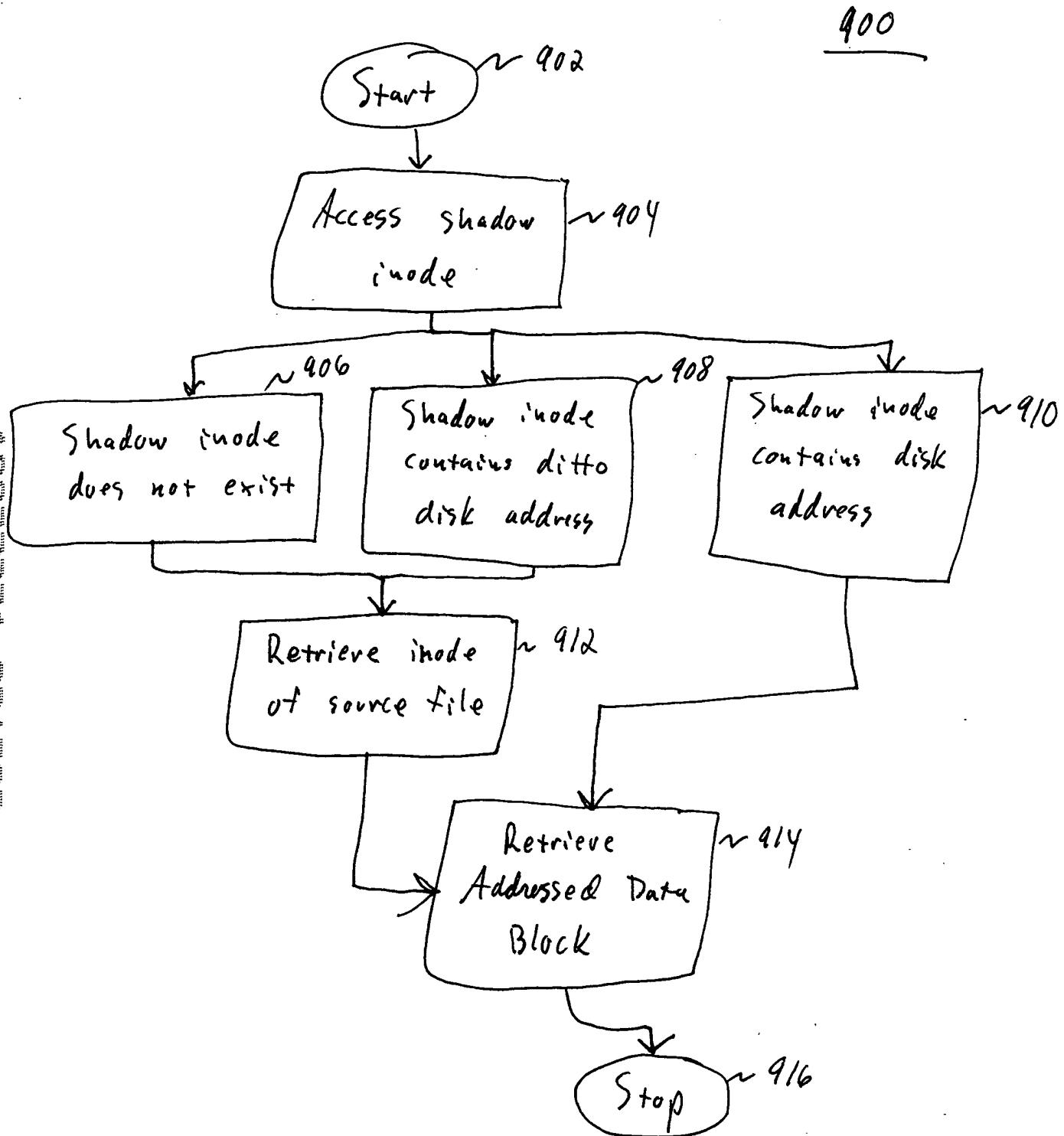


FIG. 9

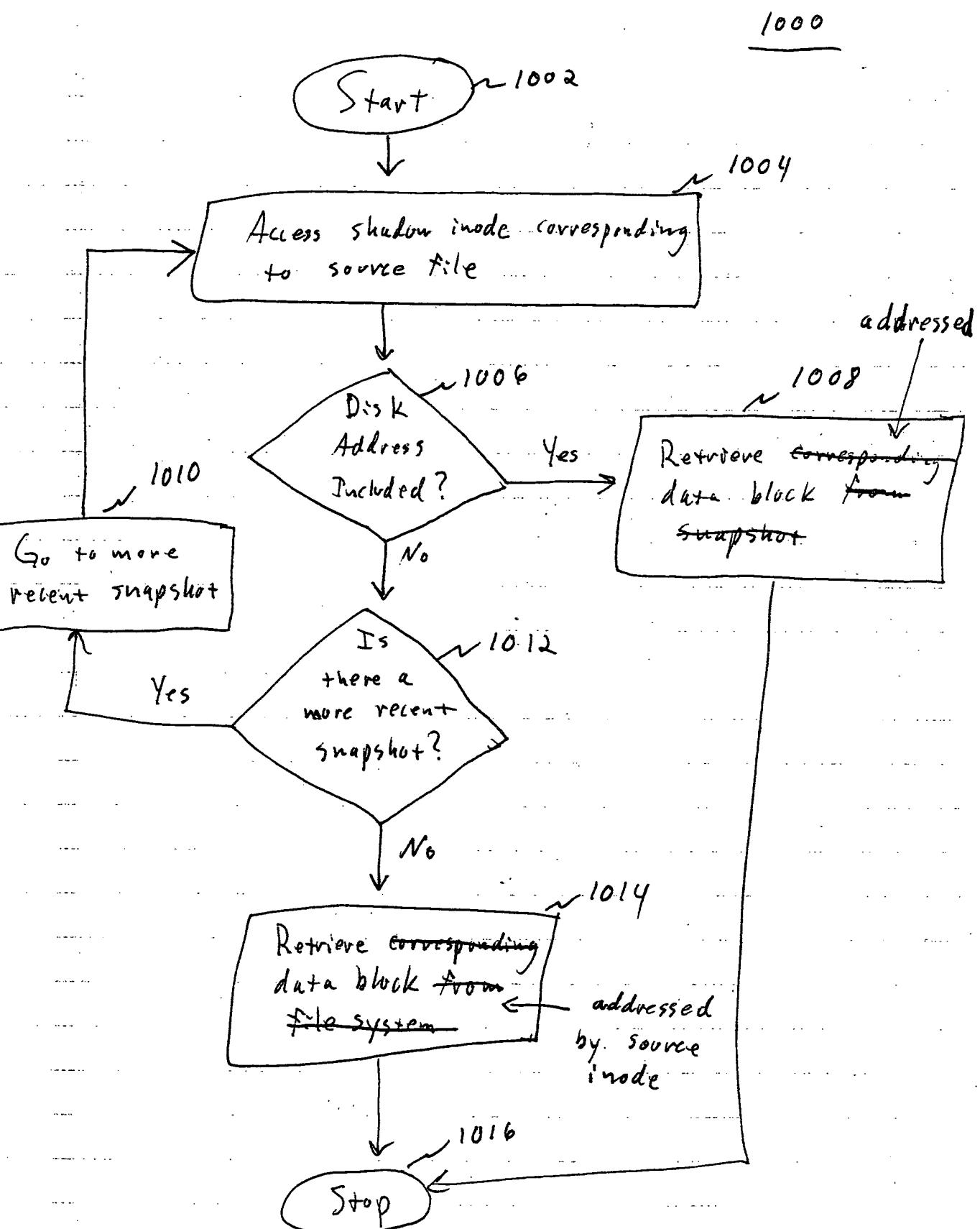
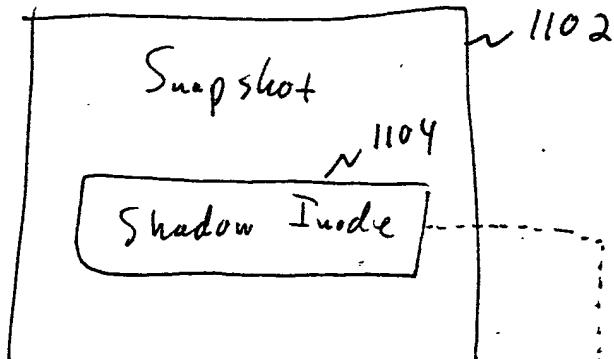
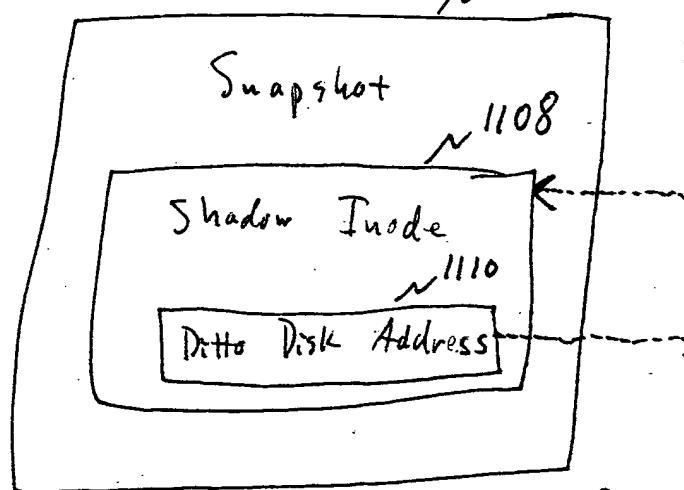


FIG. 10

1100



1106



1112

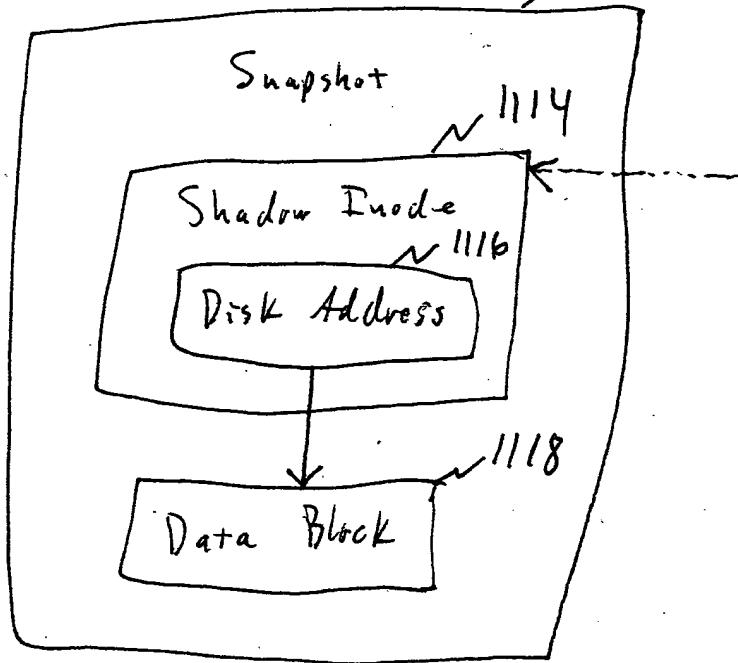


FIG. 11

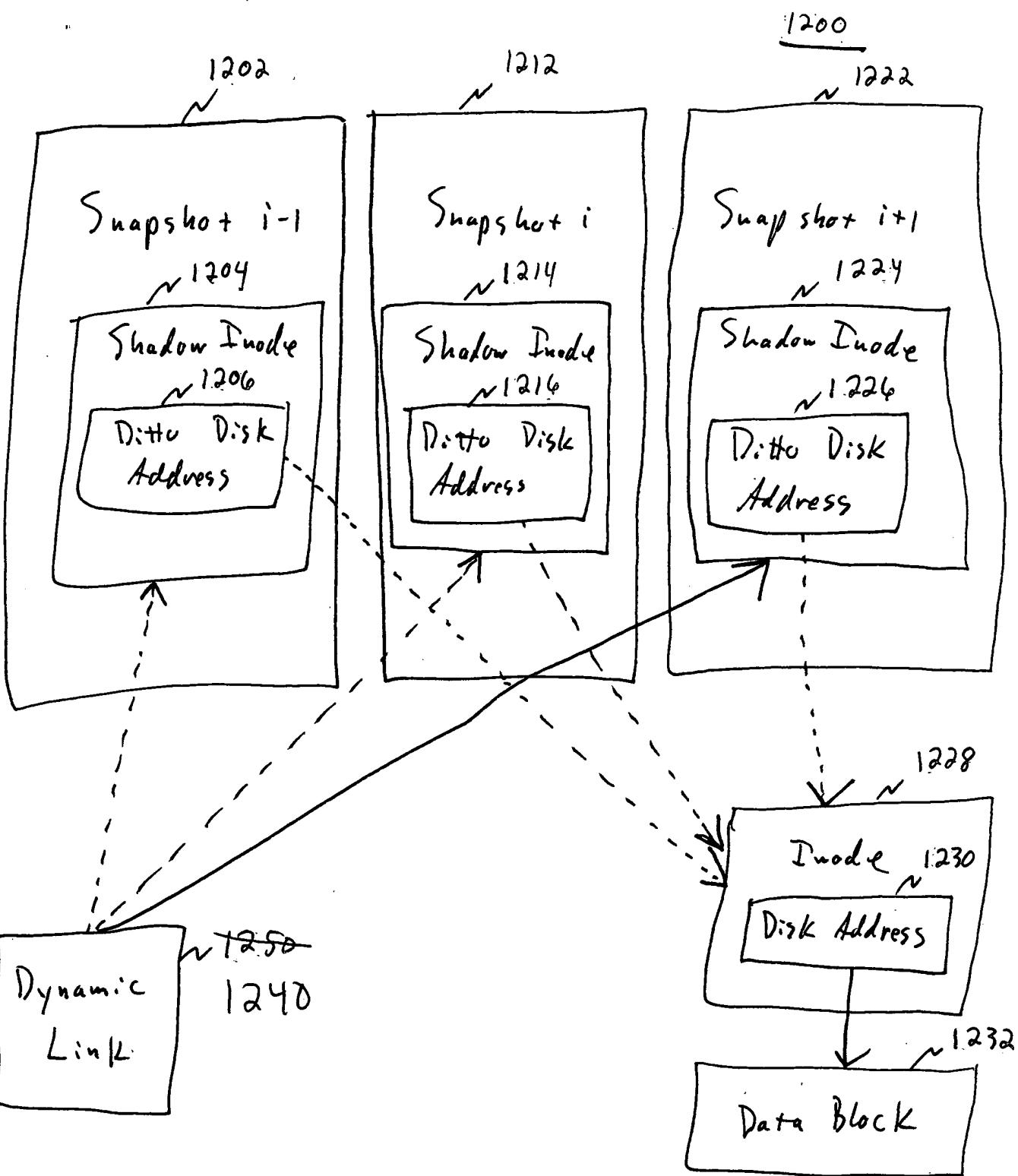


FIG. 12A

1250

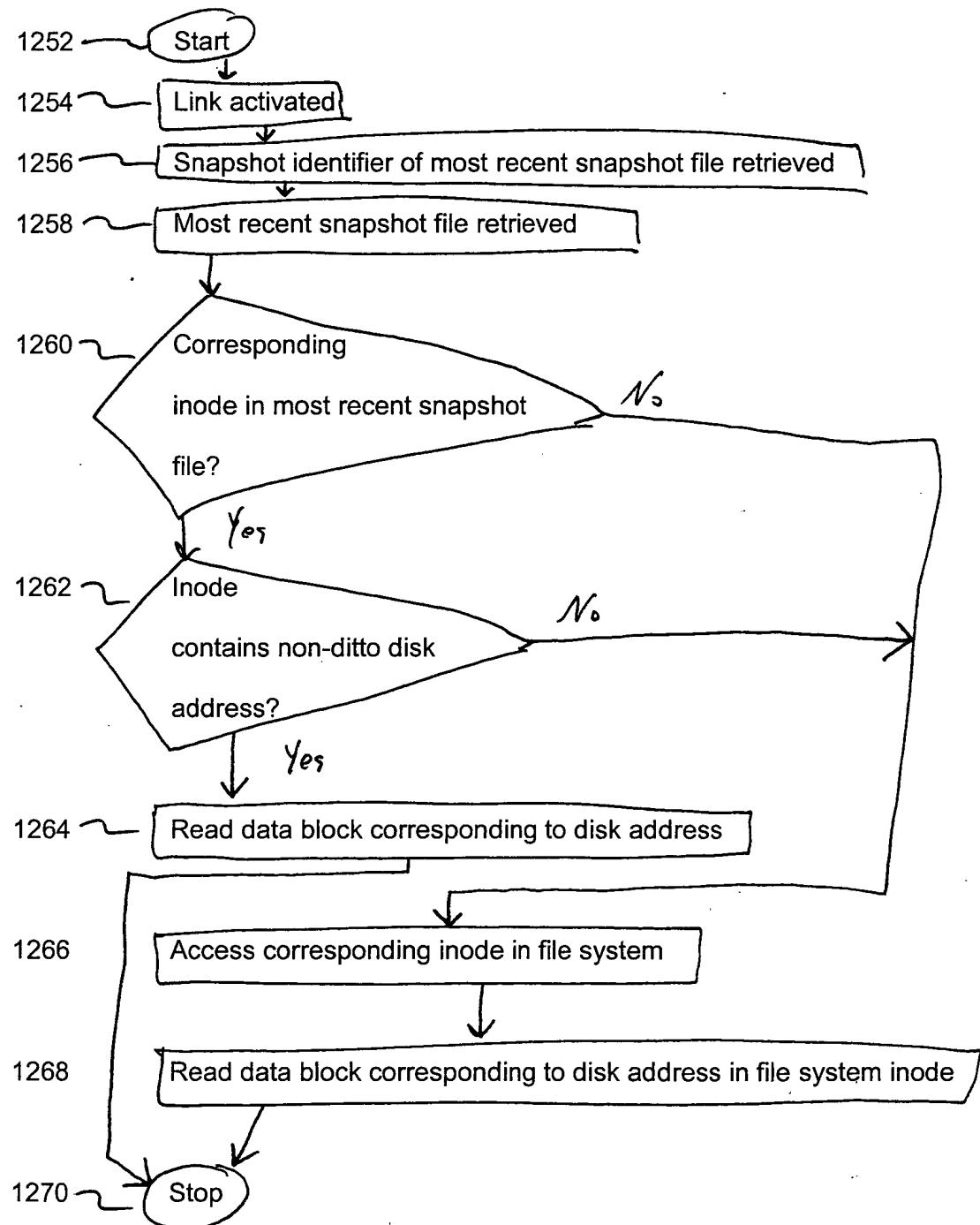


FIG 12B

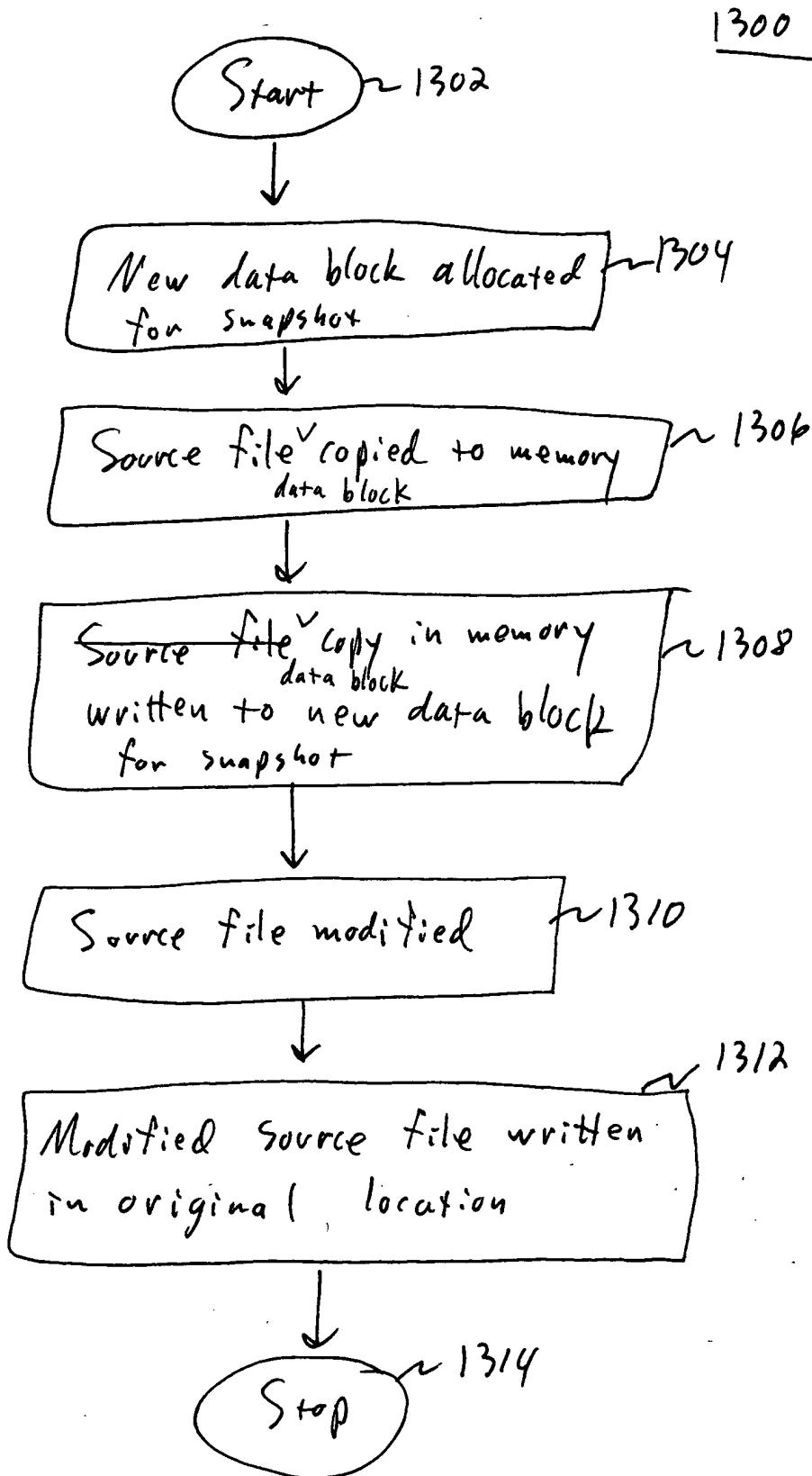


FIG. 134

1320

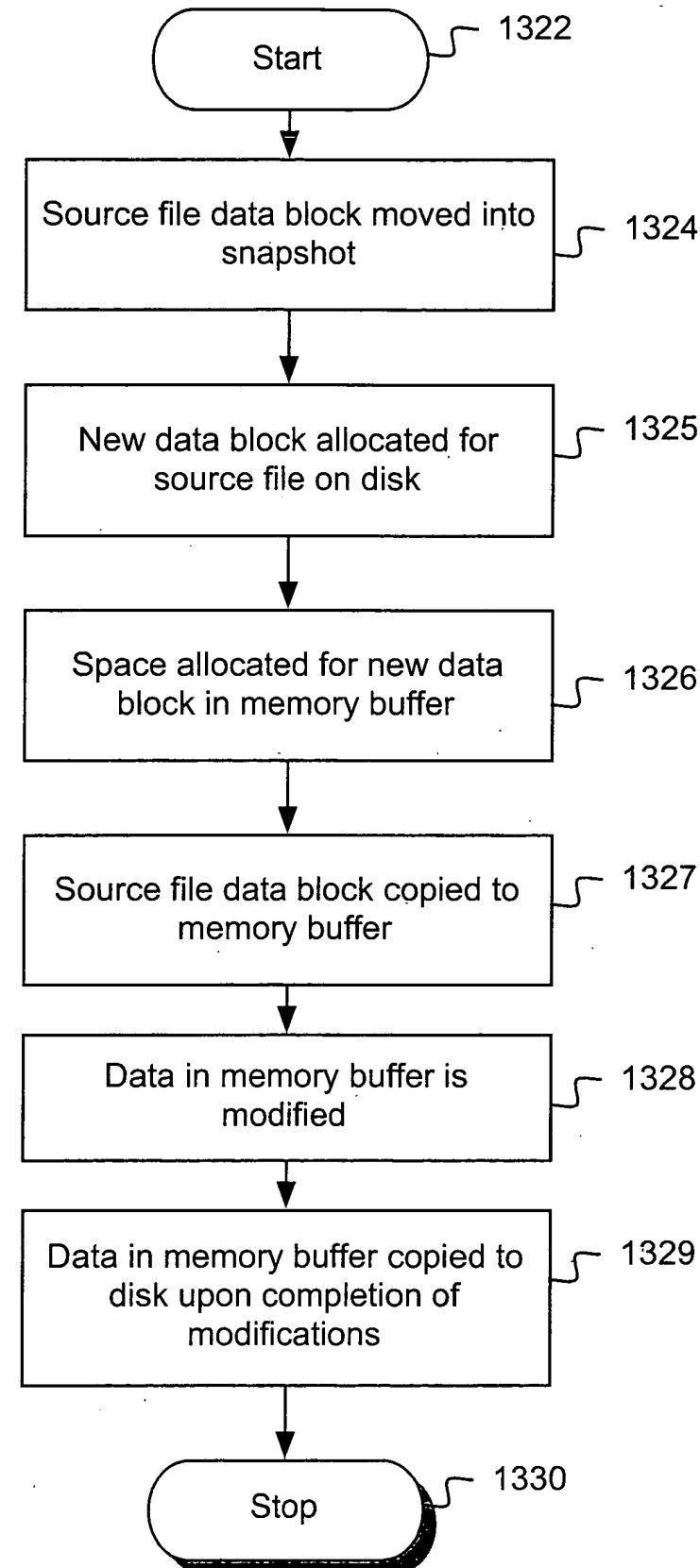


FIG 13B

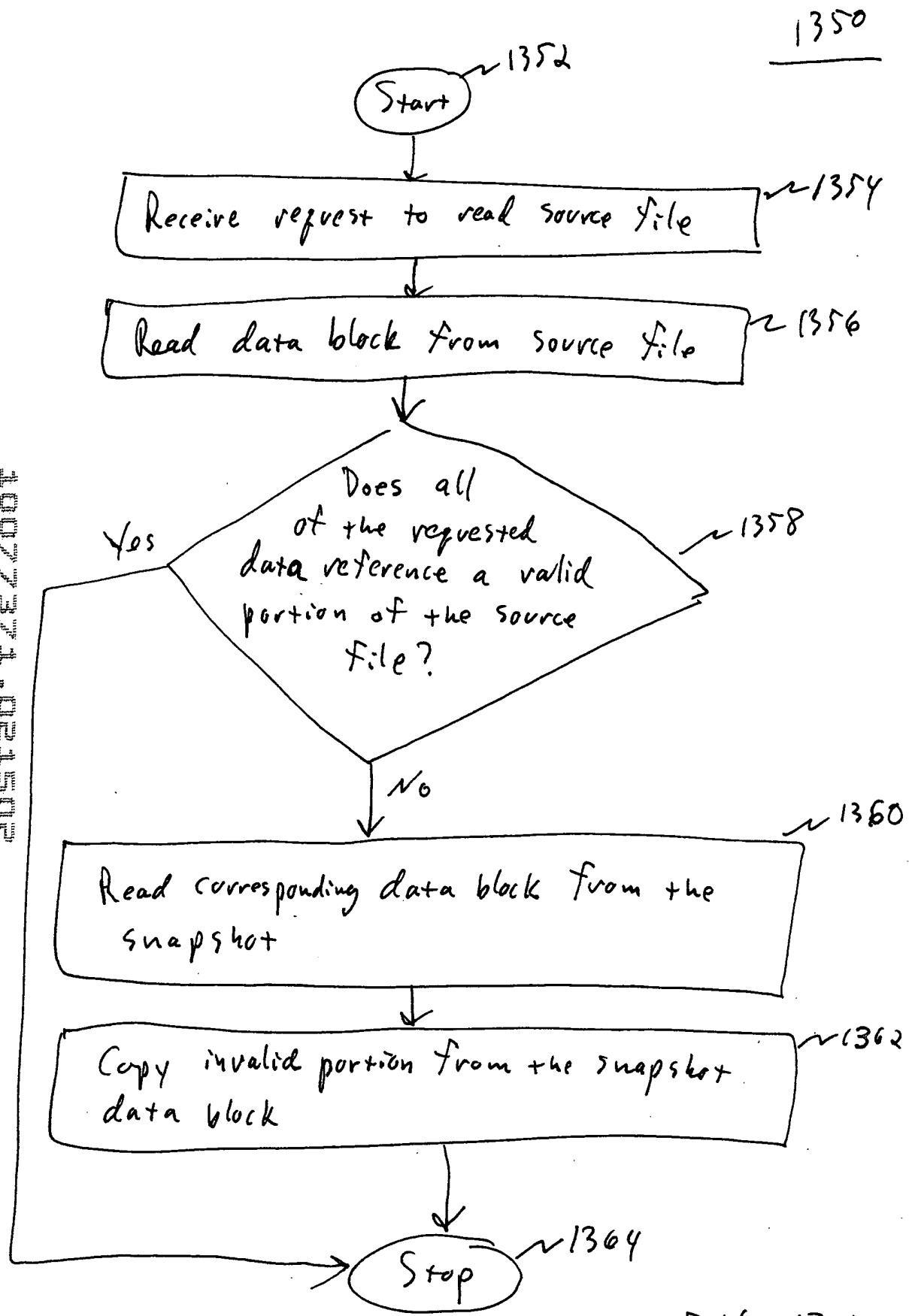


FIG. 13C

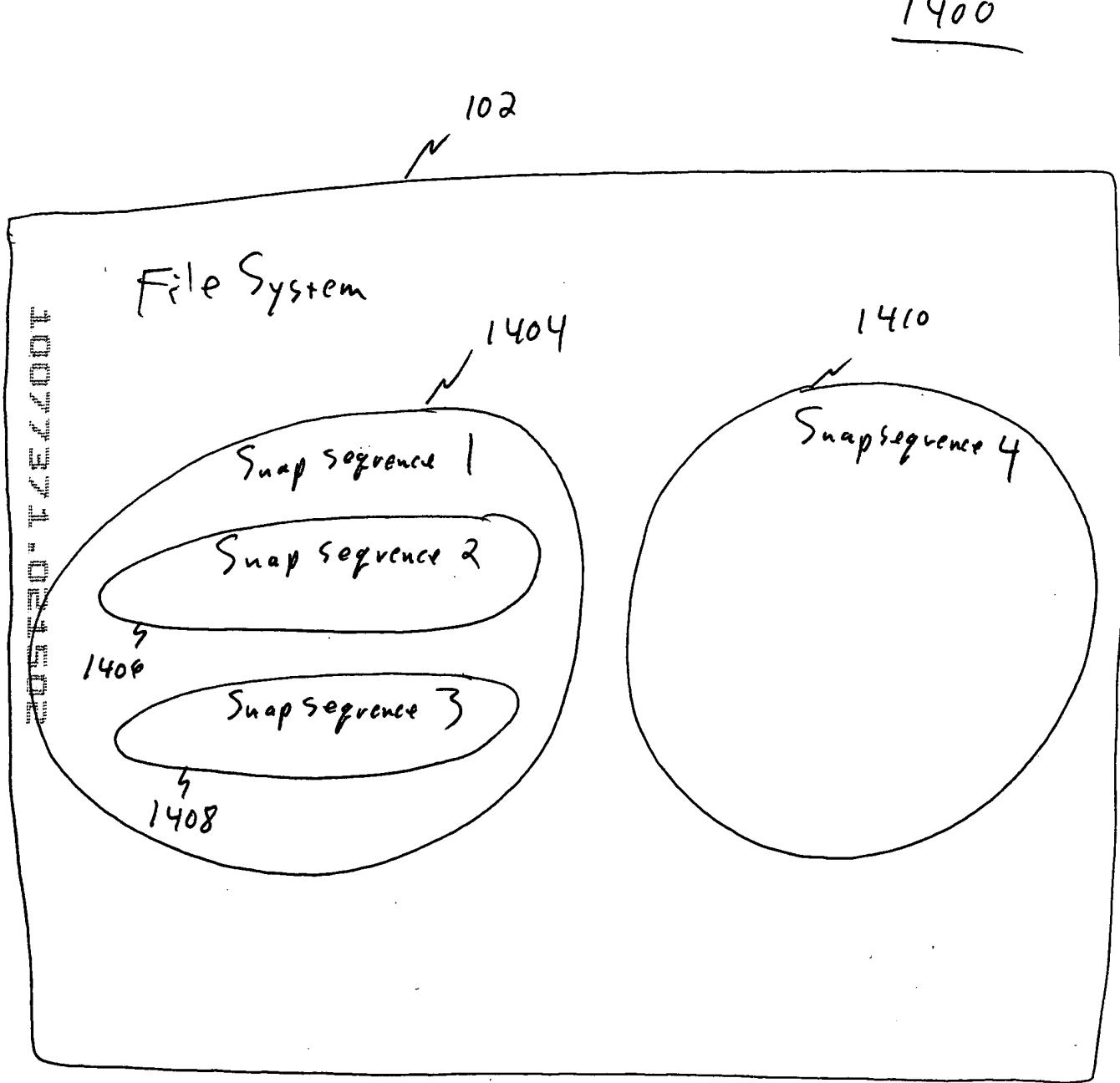


FIG. 14 A

SnapShot File Dataset

~1422

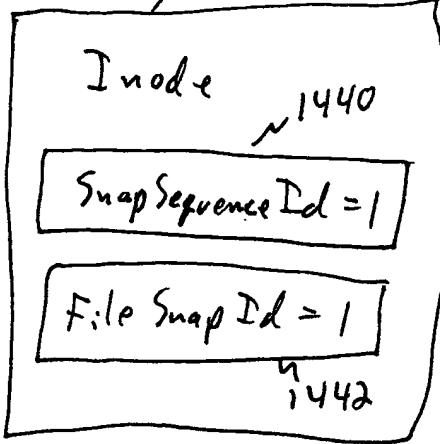
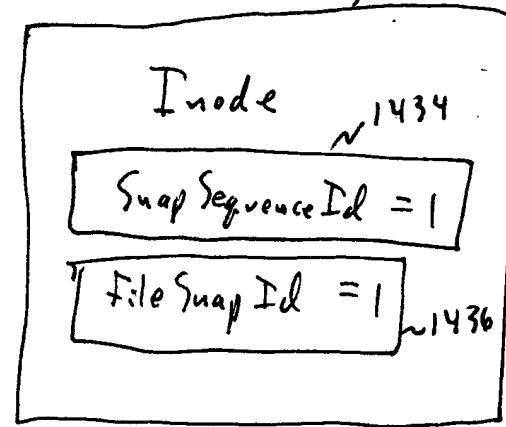
1420

Snap Sequence 1

~1430

~1432

~1438



Snap Sequence 2 ~1446

Inode ~1448

Snap Sequence Id = 2

File Snap Id = 1 ~1450

Link

~1452

~1444

FIG. 14B

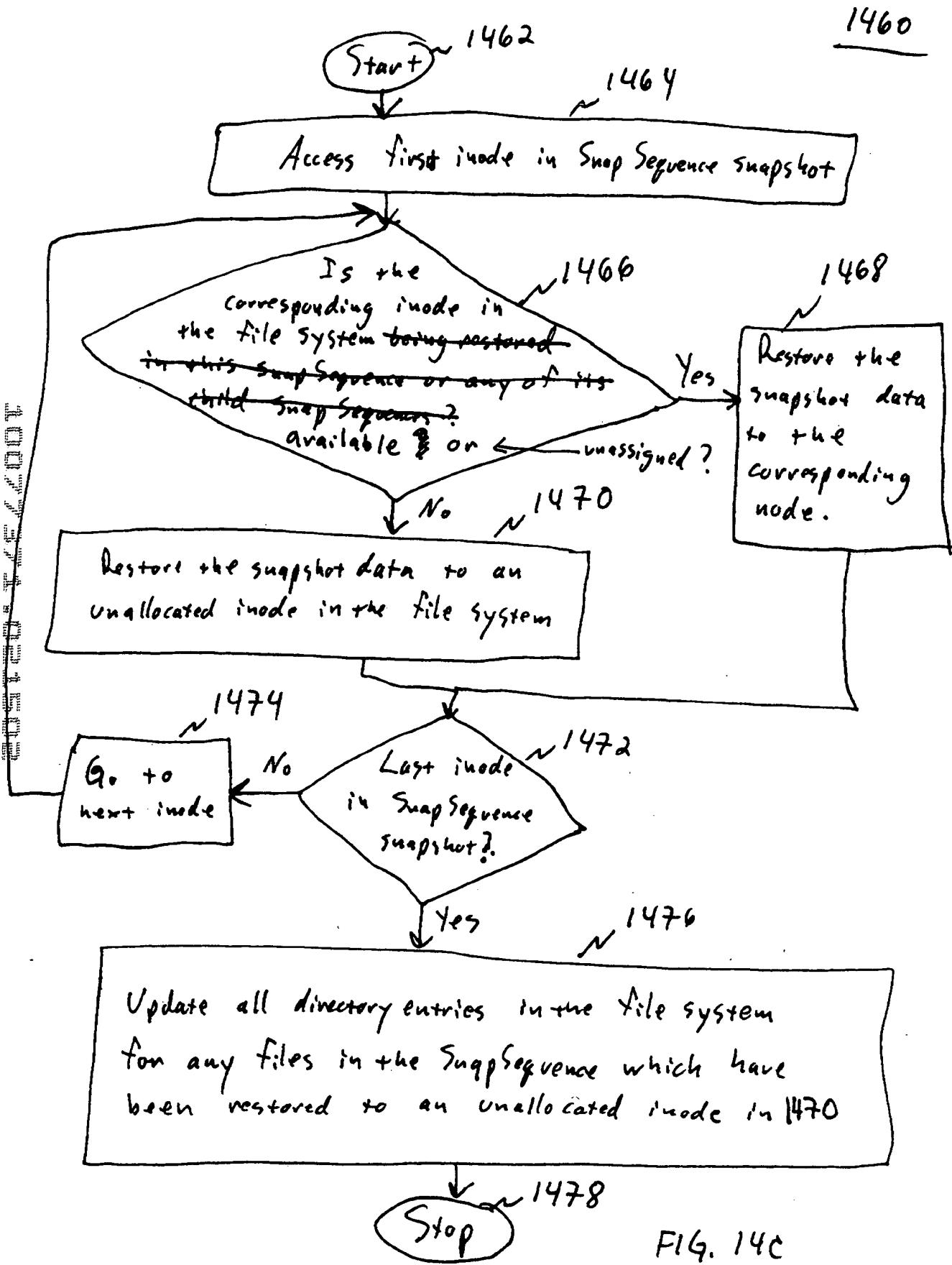


FIG. 14C

1500

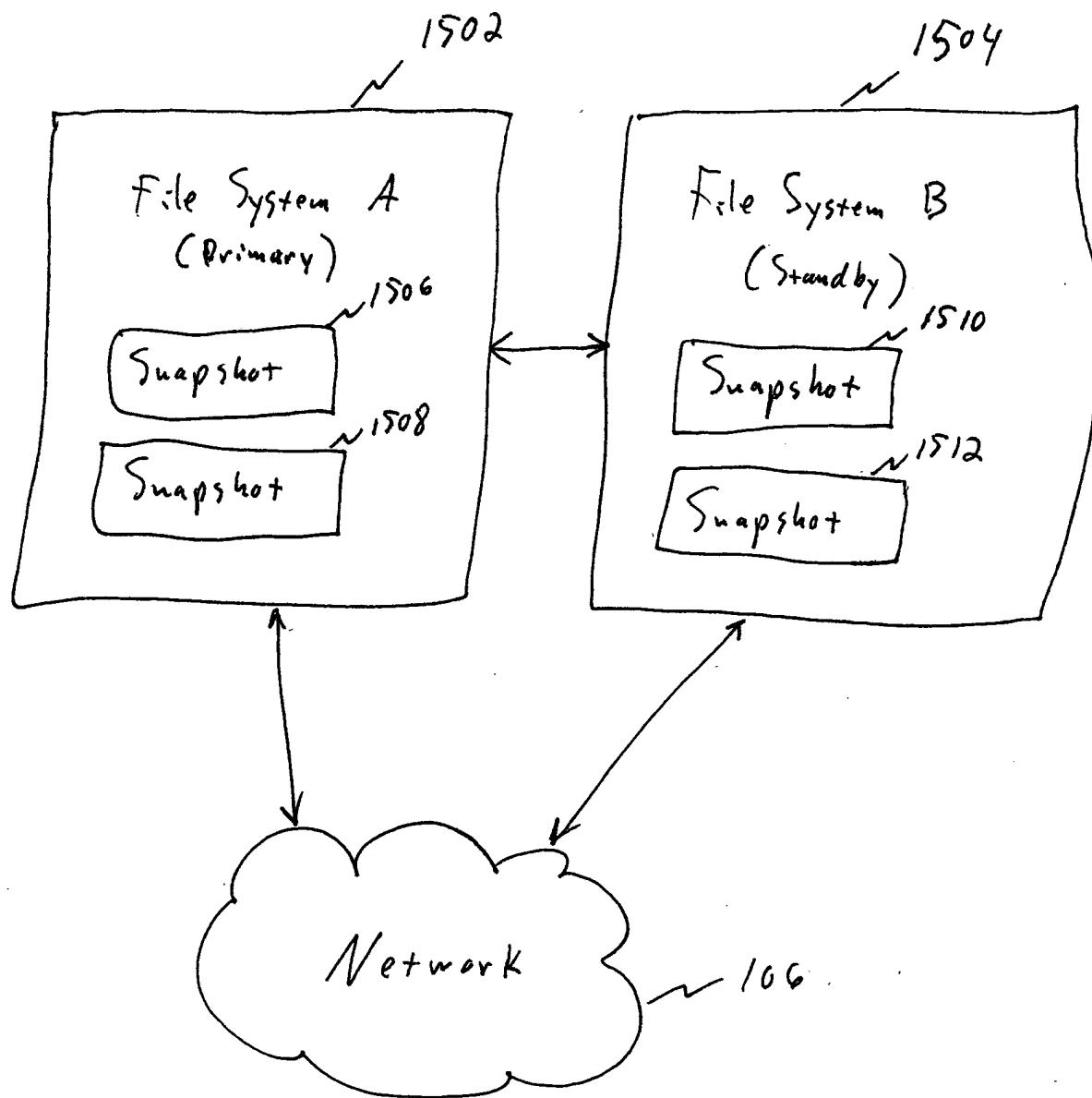


FIG. 15A

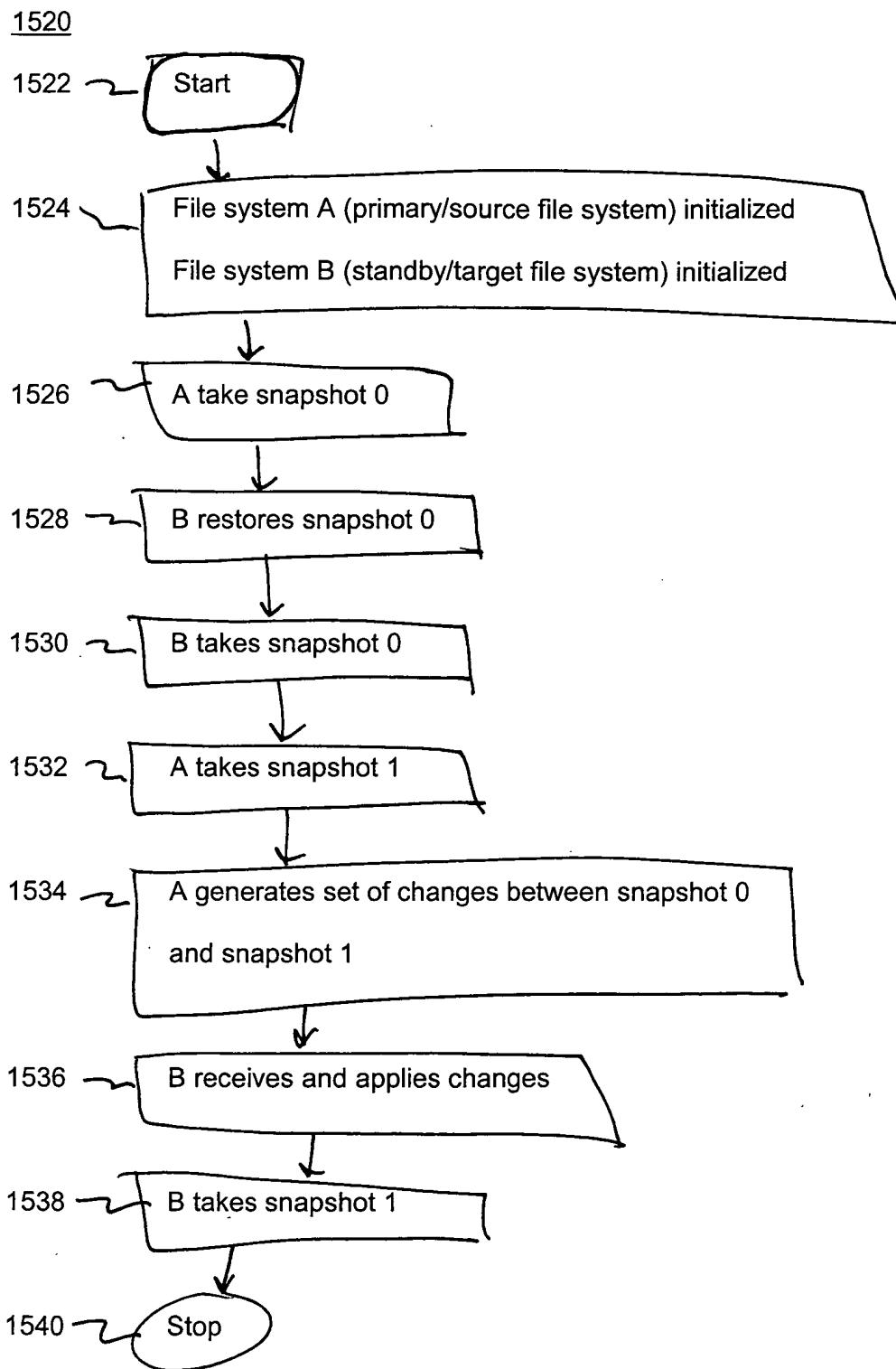


FIG. 15B

1540

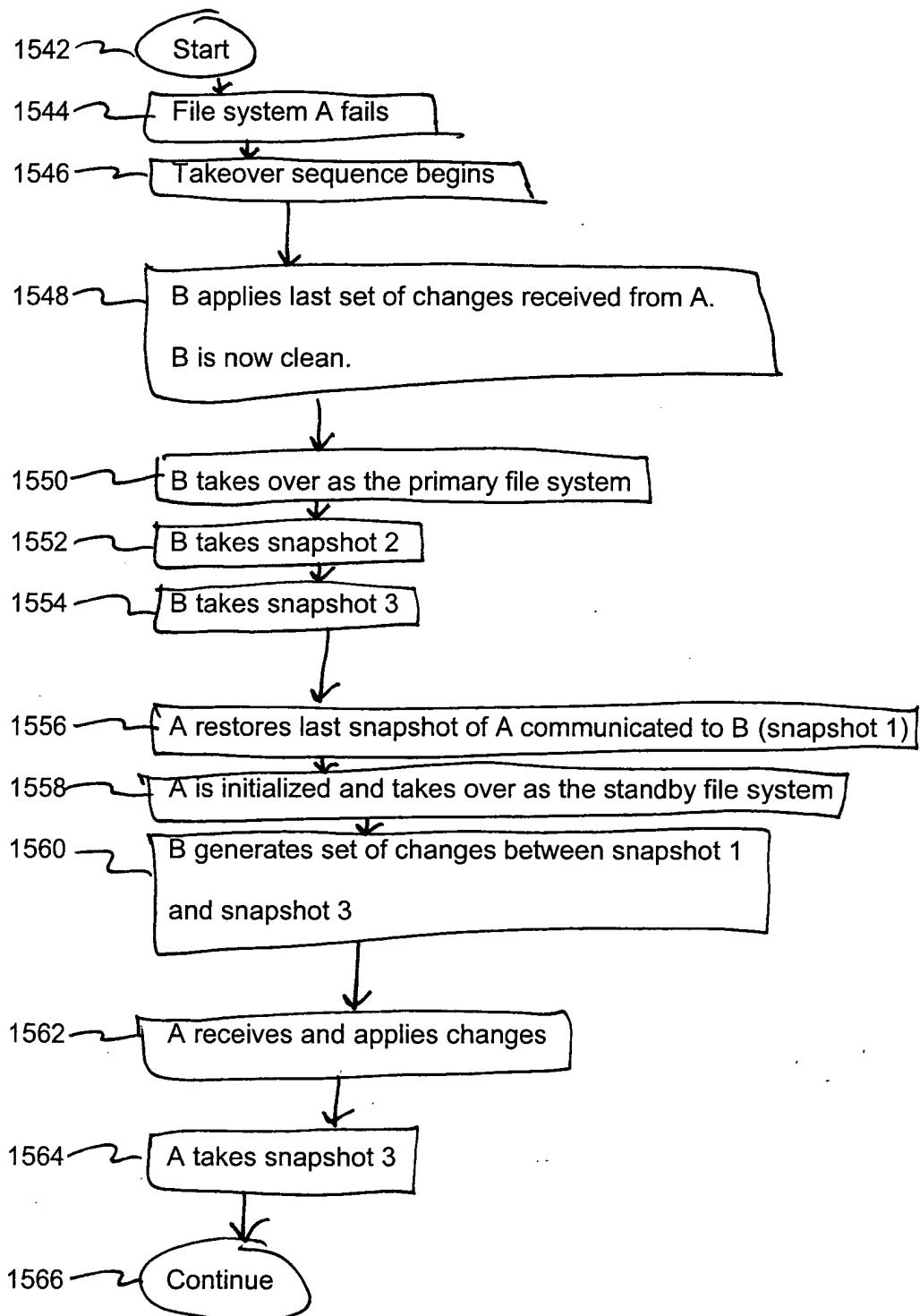


FIG. 15c

1590

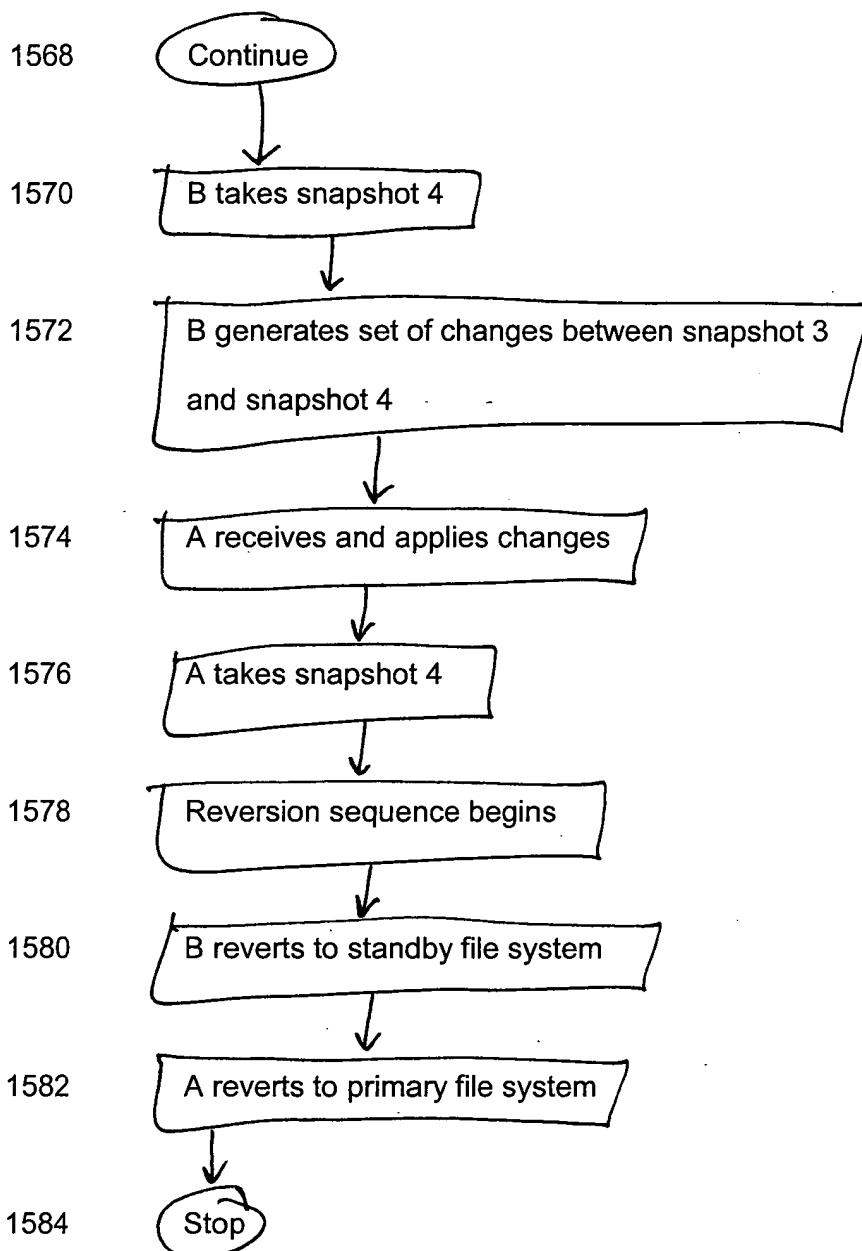


FIG. 15 D

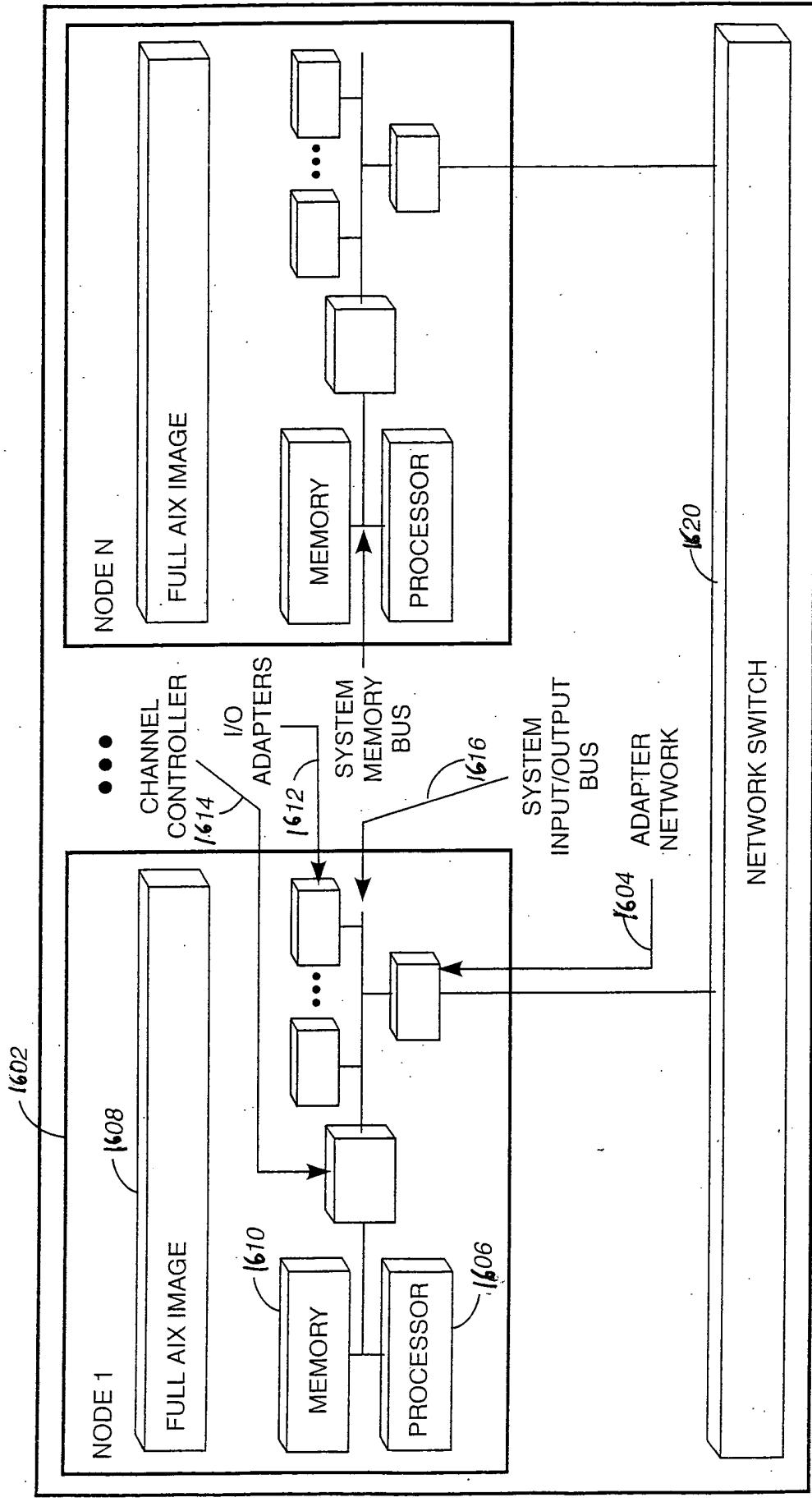


FIG. 16

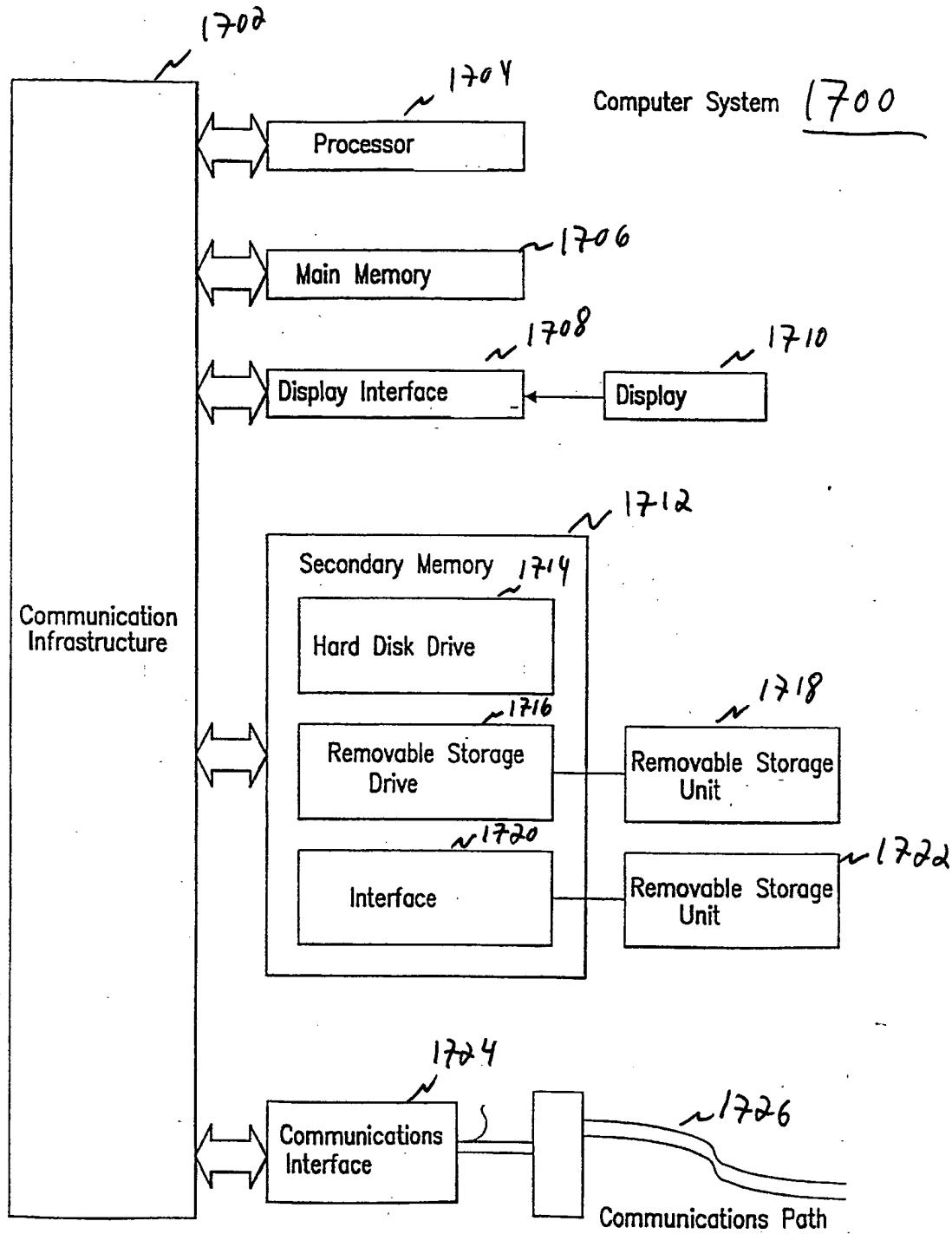


FIG. 17